

The Crop Science Group within the Institute of Crop Science and Research Conservation (INRES) at the University of Bonn is offering a

Post-Doc position (E13 TV-L / 100%)

within the cluster of excellence PhenoRob for a period of up to 4 years. The Cluster of Excellence “PhenoRob: Robotics and Phenotyping for Sustainable Crop Production” (<http://www.phenorob.de/>) is developing novel ways of growing crops and managing fields. Phenorob aims to reduce the environmental footprint of crop production, to maintain the quality of soil and arable land, and to analyze different pathways to improve the adoption of new technologies. Specifically, the Post-Doc will work within the Core Project “New Field Arrangements” and will be responsible for landscape-scale experiments and the modelling of novel cropping systems.

- Your tasks:
- Planning, implementing and conducting field experiments on new field arrangements at the landscape scale aiming at diversification of crops and land use with large fields
 - Gathering and analyzing data from these field experiments
 - Modelling of crops in new field arrangements
 - Supervising graduate and under-graduate students related to the field experiments
 - Publishing results in peer reviewed journals and presenting them at conferences
 - Linking the activities in the core project to other activities in PhenoRob
- Your profile:
- An excellent PhD degree in agricultural sciences or related disciplines, with a focus on arable crops, crop management and its interaction with soils
 - Experience in carrying out field experiments with arable crops
 - Experience in applying and developing dynamic crop simulation models
 - Willingness to travel frequently within Germany for field campaigns
- We offer:
- Active participation in the international research hub *The Cluster of Excellence* “PhenoRob
 - An open, stimulating work environment promoting inter-disciplinary research
 - The opportunity of conducting innovative research in the area of digital agriculture
 - 100% TVL E13 on the salary scale

The position will be mainly located at the University of Bonn but requires regular visits to the Research Center of Agricultural Landscape Research (ZALF) Müncheberg near Berlin for experimental work. Applicants with more than three years of experience in scientific research may be eligible for additional upgrades. Ideal starting date of the position would be January 2020.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and aims to increase the number of women employed in areas where women are under-represented and to promote their careers. To that end, it urges women with relevant qualifications to apply. Applications will be handled in accordance with the *Landesgleichstellungsgesetz* (State Equality Act). Applications from suitable candidates with a certified disability or equivalent status are particularly welcome. Applications (CV including diploma certificates/transcripts, list of publications, statement of research interests and achievements, addresses of two references) should be sent until 10 Nov. 2019 to

Dr. Thomas Gaiser and Prof. Dr. Frank Ewert (Email: tgaiser@uni-bonn.de, Wiss.direktor@zalf.de) with all documents in one PDF file. For further information concerning our research group you can visit our website at http://www.lap.uni-bonn.de/home?set_language=en.